

Table 6-2

DEBRIS SOUTH OF THE HIGHWAY
SURFACE SOIL AND SUBSURFACE SOIL ANALYTICAL RESULTS SUMMARY
CANOL PUMP STATION J
MILEPOST 1285.5 ALASKA HIGHWAY, ALASKA

	BACKGROUND		SOURCE			
EPA Sample Number	98314029	98314030	98314012	98314013	98314014	98314015
Sample Location Number	BG01SS	BG02SS	DS01SS	DS02SS	DS03SS	DS04SS
Depth (feet bgs)	0-0.5	2	0-0.5	2	0-0.5	2.0-3.0
VOCs (µg/kg)						
Benzene, (1-methylethyl)-	4.9 UJK (49) ^b	2.4 U	88	5.6 U	53.5	3 U
Benzene, 1-methyl-4-(1-methylethyl)-	4.9 UJK (49) ^b	2.4 U	105	5.6 U	4.6 U	3 U
Methane, trichloro-	4.9 UJK (49) ^b	2.4 U	4 U	6.9	7.9	3.6
Toluene	4.9 UJK (7.9) ^b	2.4 U	2.4	5.6 U	88.8	3 U
SVOCs (µg/kg)						
Di-n-Butylphthalate	159 U	162 U	166 U	245	300 U	169 U
GROs/BTEX (mg/kg)						
Toluene	0.42	0.053 U	0.058 U	0.04 U	0.11 U	0.037 U
DRO/RROs (mg/kg)						
Diesel Range Organics	11 U	10 U	26	12 U	53	12 U
Residual Range Organics	44	21 U	180	24 U	390	24 U
Inorganics (mg/kg)						
Aluminum	10100 JK	5040 JK	12500	13200	7410	11100
Calcium	2010	1280	6490	8430	6740	5380
Iron	14800	9640 JK	16300	16800	7570	17500
Lead	3.6 JK (5.2)	5.6 JK (8.06)	2.9	0.77	5.7	0.97
Magnesium	2560	1210	5680	7380	3050	6800
Manganese	307	328	402	352	308	323
	6.9 JBK	1.1 JBK	20.8	24.2	8.9 JBK	19.9
Nickel	(8) ^a	(8) ^a				
Potassium	1490	1560	653 JB	610 JB	363 JB	582 JB
	28.1	6.9 JBK (10) ^a	44.7	50.7	20.5	43.3
Vanadium						
Zinc	33.6	23.5	31.9	31.7	49.2	32.2

Key at the end of the table.

Table 6-2 (Cont.)

^a Contract required detection/quantitation limit.

^b Adjusted concentration as per EPA document number, EPA 540-F-94-028.

Note : **Bold** type indicates concentrations above sample quantitation limit or detection limit.
 Underlined type indicates result is significant as defined in Section 5.

Key:

B	= Sample detected below Contract Required Detection Limit, but greater than or equal to the instrument detection limit.
BGS	= Below ground surface.
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes.
DRO	= Diesel range organics.
EPA	= U.S. Environmental Protection Agency.
GRO	= Gasoline range organics.
J	= The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
K	= Unknown bias.
L	= Low bias.
mg/kg	= Milligrams per kilogram.
RRO	= Residual range organics.
SVOCs	= Semivolatile organic compounds.
U	= The analyte was analyzed for, but was not detected at the reported sample quantitation limit.
µg/kg	= Micrograms per kilogram.
VOCs	= Volatile organic compounds.